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n.m.
5/7/03

Docket No.: C17858/120103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
STEVEN J. RYCHNOVSKY))
)	
Serial No.: 09/871,441)	Examiner: R. Henley, III
)	
Filed: May 31, 2001)	Art Unit: 1614
)	
For: METHOD FOR IMPROVING)	
TREATMENT SELECTIVITY AND)	
EFFICACY USING INTRAVASCULAR)	
PHOTODYNAMIC THERAPY)	

RULE 131 AFFIDAVIT

This affidavit is being submitted in the above-captioned application to overcome the rejection of claims 1-57 under 35 U.S.C. § 103(a) that the claimed invention is obvious in view of Allison (WO 01/35997). The Allison reference indicates that it was published on May 25, 2001 and filed on November 17, 2000. As demonstrated below, I conceived my invention prior to May 25, 2001, the earliest effective date of the Allison patent and, thereafter, worked diligently on reducing the invention to practice at least through and until I filed the above-captioned application.

My invention is generally directed to a method in which photodynamic therapy (PDT) is employed to inhibit, stabilize or reduce occlusions within the cardiovascular system of the body. The method involves activation of a photosensitizer drug for treatment of cardiovascular occlusions using wavelengths of light in the 390-610 nm range to improve efficacy and safety over previous approaches. Through the use of the 390-610 nm range, there is minimal surrounding tissue damage and simultaneously a very significant PDT effect is

achieved within the vessel that is the target of the treatment. Embodiments of my method are recited in independent Claims 1 and 57.

Attached hereto as Exhibit 1 is a copy of portions of a Drug Screening Report prepared at my direction, which describes and documents the reduction to practice of my invention, which occurred in the United States prior to both May 25, 2001 and November 17, 2000. The Drug Screening Report arose out of experiments conducted at my direction and demonstrates the efficacy of the various photosensitizer compounds that were examined using wavelengths of light in the 390-610 nm range. The Drug Screening Report provides summary documentation of the raw data, including but not limited to the date of the experiment and the wavelength of light used. This document demonstrates that I conceived of my invention and reduced my invention to practice prior to May 25, 2001. For example, page 21 of the Drug Screening Report includes a chart that demonstrates the results of experiments conducted on February 7, 2000 using 532 nm wavelengths of light.

From at least February 7, 2000, I diligently worked on reducing my invention to practice, at least through and until I submitted Application Serial No. 09/871,441 on May 31, 2001. As evidence that I diligently worked on reducing my invention to practice, Exhibit 1 documents approximately 630 experiments that were conducted at my direction and under my control between February 7, 2000 and June 14, 2001, using wavelengths of light between 413 and 610 nm.

I, Steven J. Rychnovsky, hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under

Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

March 3, 2003
Date

Steven J. Rychnovsky
Steven J. Rychnovsky

4.0 RESULTS

200 series, [REDACTED]

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
2063	7/27/00	0.5 umol	458	50	250	4 hr	5%		
2069	7/27/00	0.5 umol	458	50	250	4hr	20%		
1564	8/15/00	1 umol	458	80	250	1 hr	50%	3	
9616	8/16/00	1 umol	458	80	250	1 hr	15%	3	
9608	8/16/00	1 umol	458	80	250	1 hr	15%	2-3	
10130	8/15/00	1 umol	458	80	250	4 hr	30%	2	
1547	8/15/00	1 umol	458	80	250	4 hr	45%	2-3	
1545	8/15/00	1 umol	458	80	250	4 hr	35%	2	
1548	8/15/00	1 umol	532	80	250	1 hr	10%	2	wrong wavelength

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
2067	7/28/00	0.5 umol	458	50	250	4 hr	40	yes	
2103	7/28/00	0.5 umol	458	50	250	4 hr	35	yes	
10116	8/11/00	1 umol	458	80	250	1 hr	15%	3	
1562	8/16/00	1 umol	458	80	250	1 hr	10%		
1983	8/16/00	1 umol	458	80	250	1 hr	15%		
10109	8/11/00	1 umol	458	80	250	4 hr	10%	3	
10107	8/11/00	1 umol	458	80	250	4 hr	10%	3	
2	8/11/00	1 umol	458	80	250	4 hr	25%	3	
10114	8/11/00	1 umol	458	80	250	4 hr	25%	3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
2060	7/26/00	1 umol	458	50	250	4 hr	0		
2062	7/26/00	1 umol	458	50	250	4 hr	0		
2056	7/27/00	1 umol	458	50	250	24 hr	5%		
2059	7/27/00	1 umol	458	50	250	24 hr	5%		
10718	8/21/00	2 umol	458	80	250	1 hr	10%		
10721	8/21/00	2 umol	458	80	250-230	1 hr	10%	2	
10743	8/22/00	2 umol	458	80	250	1 hr	30%	1	
10722	8/21/00	2 umol	458	80	250	4 hr	60	3	
10723	8/21/00	2 umol	458	80	250	4 hr	20	3	
10724	8/21/00	2 umol	458	80	250	4 hr	10	3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
2012	7/17/00	1.1 umol	458	50	250	4 hr	0%		
2020	7/17/00	1.1 umol	458	50	250	4 hr	-		Dead @ day 1

2028	7/18/00	1.1 umol	458	50	250	4 hr	-		Dead @ day 1
2029	7/19/00	1 umol	458	50	250	1 hr	0%		
2033	7/19/00	1 umol	458	50	250	1 hr	20%		Dead @ day 1
2036	7/20/00	1 umol	458	50	250	1 hr	40%		
2065	7/27/00	2 umol	458	50	250	4 hr	0%		
2064	7/27/00	2 umol	458	50	250	4 hr	0%		
1867	7/19/00	2 umol	458	50	250	4 hr	0%		

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
2102	7/28/00	1 umol	458	50	250	4 hr	20		
2066	7/28/00	1 umol	458	50	250	4 hr	5		
9630	8/16/00	2 umol	458	80	250	1 hr	0	1	
10709	8/18/00	2 umol	458	80	250	1 hr	0	1	
10710	8/18/00	2 umol	458	80	250	1 hr	5%	2	
10715	8/18/00	2 umol	458	80	250	1 hr	5%	0	
10714	8/18/00	2 umol	458	80	250	4 hr	5%	2	
10719	8/21/00	2 umol	458	80	250	4 hr	85%	2	
10720	8/21/00	2 umol	458	80	250	4 hr	10%	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1694	6/15/00	0.1 umol	458	137	120	4 hr	0%		
1697	6/16/00	0.5 umol	458	30	250	1 hr	0%		
1706	6/16/00	0.5 umol	532	30	250	1 hr	0%		Wrong wavelength
1995	7/10/00	0.5 umol	458	50	250	1 hr	0%		Sac'd @ day 1
1699	6/16/00	0.5 umol	458	24	200	2 hr	15%		Dead @ day 1
1707	6/16/00	0.5 umol	458	30	250	4 hr	0%		Dead @ day 1
1992	7/10/00	0.5 umol	458	50	250	4 hr	0%		Sac'd @ day 1
1989	7/10/00	0.5 umol	458	50	250	4 hr	0%		Dead @ day 1
1996	7/11/00	0.5 umol	458	50	250	16 hr	5%		Dead @ day 1
1715	7/11/00	0.5 umol							CONTROL: Dead @ day 1

400 series,

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
95	8/09/00	2 umol	458	80	250	4 hr	10%	2	
100	8/09/00	2 umol	458	80	250	4 hr	15%	1	
9604	8/09/00	2 umol	458	80	250	4 hr	10%	1-2	
10105	8/10/00	2 umol	532	80	250	4 hr	20%	2	
1993	8/10/00	2 umol	532	80	250	4 hr	50%	1-2	half moon acellularity
10106	8/10/00	2 umol	532	80	250	4 hr	30%	2	
10747	8/22/00	3 umol	532	80	250	4 hr	85%	2	
10746	8/22/00	3 umol	532	80	250	4 hr	50%	1	
10750	8/23/00	3 umol	532	80	250	4 hr	95%	1-2	
1722	8/16/00	1 umol	580	80	250	4 hr	10%		
9631	8/16/00	1 umol	580	80	250	4 hr	10%	1	
10701	8/17/00	1 umol	580	80	250	4 hr	30%	3	
11607	8/31/00	1 umol	590	80	375	4 hr	40%	3	

11608	8/31/00	1 umol	590	80	375	4 hr	40%	2	
11610	8/31/00	1 umol	590	80	375	4 hr	20%	3	
16619	9/1/00	1 umol	590	80	250	4 hr	10%	2	
11621	9/1/00	1 umol	590	80	250	4 hr	20%	3	
11623	9/1/00	1 umol	590	80	250	4 hr	30%	3	
11612	8/31/00	1 umol	600	80	325	4 hr	80%	3	
11624	9/1/00	1 umol	600	80	250	4 hr	70%	3	
10129	9/5/00	1 umol	600	80-88	250-274	1hr10min	60%	3	
11649	9/13/00	0.1 umol	610	80	250	4 hr	0	2-3	
11635	9/10/00	0.1 umol	610	80	250	4 hr	0	1	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
59	5/25/00	1 umol	458	137	230	4 hrs	45%		Sac'd @ day 1, surgical problem
1483	6/2/00	1 umol	458	137	120	4 hrs	25%		Dead @ day 1

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1481	5/22/00	1 umol	532	137	250	2 hrs	5%		
1476	5/19/00	1 umol	532	69	250	2.25 hrs	0%		
1475	5/19/00	2 umol	532	137	250	4hrs	50%	1	Remeasured 4/5/01 aw

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1489	5/23/00	2 umol	532	137	120	4 hrs	15%		
1488	5/25/00	2 umol	532	137	250	4 hrs	-		O.D

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1466	5/16/00	1 umol	600	34	250	4 hrs	0%		
1464	5/16/00	1 umol	600	34	250	4 hrs	-		Dead @ day 1
1465	5/17/00	1 umol	600	34	250	4 hrs	10%		Dead @ day 1
1462	5/16/00	1 umol	458	137	250	4.5 hrs	35%		
1468	5/16/00	1 umol	458	137	250	4.5 hrs	15%		
52	5/31/00	2 umol	600	41	120	4 hrs	15%		
58	5/31/00	2 umol	532	137	120	4 hrs	45%		
56	5/31/00	2 umol	532	137	120	4 hrs	100%	2	Remeasured 4/5/01 aw
1181	6/1/00	2 umol	600	34	120	4hrs	50%	3	Remeasured 4/5/01 aw

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
48	5/26/00	0.5 umol	458	69	120	4 hrs			Dead @ day 1
1491	5/30/00	0.5 umol	458	137	120	4 hrs	75%		
1151	6/1/00	0.5 umol	458	69	120	4 hrs	60%		
1675	6/6/00	1 umol	458	34	120	2 hrs	20%		Dead @ day 1
1683	6/9/00	1 umol	458	34	120	2 hrs	15%		Dead @ day 1
1682	6/9/00	1 umol	458	34-61	120-215	1 hrs	-		Dead @ day 1
1681	6/9/00	1 umol	458	34	120	4 hrs	-		Dead @ day 1
1684	6/13/00	1 umol	458	17	120	4 hrs	-		Dead @ day 1
1717	6/13/00	1 umol	458	17	120	4 hrs	-		

600 series

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
14801	10/12/00	1 umol	532	80	250	4 hr	10%	1	
14808	10/13/00	1 umol	532	80	250	4 hr	10%	2-3	
14810	10/13/00	1 umol	532	80	250	4 hr	25%	3	No artery in c

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
3088	03/22/01	1.0umol/kg	580	80	250	4hr	0% aw	0	
3089	03/22/01	1.0umol/kg	580	80	250	4hr30min	0% aw	0	
3090	03/22/01	1.0umol/kg	580	80	250	4hr30min	0% aw	0	several attempts into lcca

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1402	4/24/00	1 umol	532	138	121	4 hrs	100%		
1403	4/24/00	1 umol	532	138	121	4 hrs	80%		
13	5/2/00	0.5 umol	532	143	250	4 hrs	41%		
24	5/3/00	0.5 umol	532	137	240	4 hrs	-		Dead @ day 1
25	5/4/00	0.5 umol	532	137	240	4 hrs	86%		Sac @ day 1 (surgery problem)
41	5/11/00	0.5 umol	532	99	248	4 hrs	50%		
14	5/2/00	1 umol	532	36	240	4 hrs	5%		
23	5/3/00	0.5 umol	532	68	240	4 hrs	2%		
26	5/4/00	0.5 umol	532	69	240	4 hrs	52%		
1450	5/11/00	0.5 umol	532	74	250	2.25 hrs	30%		
1447	5/11/00	0.5 umol	532	70	240	2hrs	-		Dead @ day 1
1449	5/12/00	0.5 umol	532	68	240	2 hrs	10%		
1442	5/11/00	0.5 umol	532	68	240	1.5 hrs	35%		
1443	5/11/00	0.5umol	532	68	240	1.0 hrs	0%		
1446	5/11/00	0.5 umol	458	69	225	4 hrs	0%		
1448	5/12/00	0.5 umol	458	69	218	4 hrs	0%		
Xx	xx	5 umol	-	-	-	-	-		Death following drug administration
Xx	Xx	5 umol	-	-	-	-	-		Had to sac following drug administration

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1401	5/24/00	0.5 umol	532	137	120	4.25 rs	5%		
1494	5/24/00	0.5 umol	532	137	250	4.25 hrs	20%		
10127	8/14/00	1 umol	532	80	250	1 hr	10%		
10124	8/14/00	1 umol	532	80	250	1 hr	10%	0	
10122	8/14/00	1 umol	532	80	250	1 hr	25%	1-2	
10113	8/14/00	1 umol	532	80	250	4 hr	20%	2	
10120	8/14/00	1 umol	532	80	250	4 hr	10%	0	
10128	8/15/00	1 umol	532	80	250	4 hr	10%	?	
10751	8/23/00	2 umol	532	80	250	4 hr	10%		
10726	8/23/00	2 umol	532	80	250	4 hr	10%	2	
10725	8/24/00	2 umol	532	80	250	4 hr	5%	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
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14206	9/29/00	0.5 umol	413	24	40	4 hr	50%	1	still need to look at b and c
14205	9/29/00	0.5 umol	413	6	40	4 hr	15%	0	
14204	9/29/00	0.5 umol	413	12	40	4 hr	15%	0	
1705	6/16/00	0.5 umol	458	30	250	2 hr	0%		
1700	6/16/00	0.5 umol	532	30	250	1 hr	0%		Sac @ day 1 (paralyzed leg)
1704	6/16/00	0.5 umol	532	30	250	4hr	10%		
11651	9/13/00	0.5 umol	532	80	250	2 hr	15%	2	
11650	9/13/00	0.5 umol	532	80	250	2 hr	10%	2	
11645	9/12/00	0.5 umol	532	80	250	2 hr	0	1	
2042	8/15/00	0.5 umol	532	80	250	4 hr	50%	2	
1542	8/15/00	0.5 umol	532	80	250	4 hr	50%	1-2	
2045	8/15/00	0.5 umol	532	80	250	4 hr	75%	1	
14243	10/12/00	0.5 umol	532	80	250	4 hr	80%	0	
14839	10/23/00	0.5 umol	532	80	250	4 hr	75%	0-1	
14842	10/23/00	0.5 umol	532	80	250	4 hr	60%	0-1	
14844	10/23/00	0.5 umol	532	80	250	4 hr	75%	1	Mean=65%
15215	10/25/00	0.5 umol	532	80-66	250-205	8 hr	75%	1-2	
11646	9/13/00	0.5 umol	532	80-74	250-230	8 hr	60%	1	
13101	9/21/00	0.5 umol	532	80	250	8.5 hr	95%	0	
14245	10/11/00	0.5 umol	532	80	250	17 hr	50%	1	90% @ bifurcation
14247	10/11/00	0.5 umol	532	80	250	17 hr	0%	0	
14805	10/13/00	0.5 umol	532	80	250	17 hr	95%	0	
12611	9/20/00	0.5 umol	532	80	250	24 hr	0%	0-1	100% at bifurc. Else nothing
14249	10/11/00	0.5 umol	532	80	250	24 hr	25%	0-1	
14244	10/11/00	0.5 umol	532	80	250	24 hr	10%	0	
2123		1 umol	532	80	250	1 hr	60%	2	
2120	8/03/00	1 umol	532	80	250	1hr10min	50%	2	
2121	8/03/00	1 umol	532	80	250	1 hr	25%	2	
2124	8/08/00	1 umol	532	80	250	1 hr	10%	0	
2104	7/31/00	1 umol	532	50	250	3.5 hr	60%	0-1	
2105	7/31/00	1 umol	532	50	250	4 hr	95%	0-1	
2106	7/31/00	1 umol	532	50	250	4 hr	40%	0-1	
2043	8/10/00	1 umol	532	80	250	4 hr	90%	2	
10103	8/10/00	1 umol	532	80	250	4 hr	95%	2	
2044	8/11/00	1 umol	532	80	250	4 hr	95%	2	Mean=80%
3294	06/07/01	1.0umol	532	80	250	4hr	80%c aw	2	
3295	06/07/01	1.0umol	532	80	250	4hr	70%c aw	1-2	
3296	06/08/01	1.0umol	532	80	250	4hr	90%d aw	1-2	
12652	9/20/00	0.25 umol	570	80	250	4 hr	15%	0	
12621	9/20/00	0.25 umol	570	80	250	4 hr	0%	0	
12648	9/20/00	0.25umol	570	80	250	4 hr	0%	0	
12603	9/19/00	0.25 umol	580	80	250	2 hr	20%	0	
12619	9/20/00	0.25 umol	580	80	250	2hr30min	0	0	
12540	9/19/00	0.25 umol	580	80	250	2 hr	85%	1	
11631	9/12/00	0.25 umol	580	80	250	4 hr	25%	0	
11634	9/12/00	0.25 umol	580	80	250	4 hr	10%	0	recut c
11639	9/12/00	0.25 umol	580	80	250	4 hr	10%	0	
13110	9/22/00	0.25 umol	580	80	250	8 hr	0%	0	
13123	9/25/00	0.25 umol	580	80	250	8 hr	20%	0	
13136	9/27/00	0.25 umol	580	80	250	8 hr	40%	0	
11654	9/15/00	0.25 umol	580	80	250	24 hr	10%	0	
11659	9/15/00	0.25 umol	580	80	250	24 hr	30%	0	
12517	9/19/00	0.25 umol	580	80	250	24 hr	40%	0	

14845	10/23/00	0.5 umol	575	80	250	4 hr	100%	0-1	
14843	10/23/00	0.5 umol	575	80	250	4hr10min	100%	0-1	
10730	8/28/00	0.5 umol	580	80	250	4 hr	95%	1	
10733	8/28/00	0.5 umol	580	80	250	4 hr	80%	1	
10729	8/28/00	0.5 umol	580	82	255	4 hr	95%	1	
14841	10/23/00	0.5 umol	579	80	250	4 hr	60%	2	
10740	8/29/00	1 umol	580	80	250	4 hr	95%	1	
10739	8/29/00	1 umol	580	80	250	4 hr	100%	1	
10738	8/29/00	1 umol	580	80	250	4 hr	95%	1	
12518	9/18/00	0.25 umol	590	68-111	212-347	2 hr	15%	0	
12640	9/20/00	0.25 umol	590	80	250	4 hr	0%	0	
12510	9/18/00	0.25 umol	590	80	250	4.5 hr	30%		
12512	9/18/00	0.25 umol	590	83-88	250-264	5 hr	15%	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1492	5/24/00	0.5 umol	532	137	250	4 hrs	-		Dead @ day2
1487	5/24/00	0.5 umol	532	137	120	4 hrs	40%		
1677	6/6/00	1 umol	532	69	120	4 hr	10%		Dead @ day 1
49	5/25/00	0.5 umol	532	137	120	2 hrs	30%		

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
93	8/08/00	1 umol	532	80	250	1 hr	10%	2	
9603	8/09/00	1 umol	532	80	250	1 hr	10%	3+	
94	8/09/00	1 umol	532	80	250	1 hr	0	3	
1765	8/09/00	1 umol	532	80	250	4 hr	15%	2-3	
2130	8/08/00	1 umol	532	80	250	4 hr	75%	?	
2128	8/08/00	1 umol	532	80	250	4 hr	95%	1-2	
10744	8/22/00	1 umol	532	80	250	4 hr	50%		
14217	10/3/00	0.5 umol	580	80	250	4 hr	0%	2	
14210	10/3/00	0.5 umol	580	80	250	4 hr	0%	0	
14214	10/3/00	0.5umol	580	80	250	4 hr	95%	3	
10745	8/22/00	1 umol	580	80	250	5 hr	30%	2	
10748	8/22/00	1 umol	580	80	250	4hr40min	100%	2-3	
10749	8/23/00	1 umol	580	80	250	4 hr	95%	2-3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
2125	8/04/00	1 umol	532	80	250	1 hr	15%	0	
2122	8/04/00	1 umol	532	80	250	1 hr	10%	0	
2126	8/04/00	1 umol	532	80	250	1 hr	10%	0	
2132	8/08/00	1 umol	532	80	250	1 hr	10%	0	
2118	8/04/00	1 umol	532	80	250	1 hr	10%	0	
2115	8/03/00	1 umol	532	80	250	4 hr	20%	0	
96	8/09/00	2 umol	532	80	250	1 hr	0%	3	
1982	8/10/00	2 umol	532	80	250	1 hr	0%	0	
1991	8/10/00	2 umol	532	80	250	1 hr	0%	0	
10101	8/10/00	2 umol	532	80	250	4 hr	0%	0	

99	8/09/00	2 umol	532	80	250	4 hr	0%	0	
1724	8/09/00	2 umol	532	80	250	4 hr	10%	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
9627	3/7/01	1 umol	580	80	250	4 hr	10%	0-1	
18652	3/7/01	1 umol	580	80	250	4 hr	20%	1	
18654	3/7/01	1 umol	580	80	250	4 hr	10%	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
14241	10/9/00	0.5 umol	580	80	250	4 hr	25%	0	Mean =53%
14238	10/9/00	0.5 umol	580	80	250	4 hr	75%	0	
14234	10/9/00	0.5 umol	580	80	250	4 hr	60%	0	
13121	9/22/00	1 umol	580	80	250	1 hr	15%	1	
13114	9/22/00	1 umol	580	80	250	1 hr	15%	0	inner ring of media acellular
13112	9/22/00	1 umol	580	80	250	1 hr	0%	0	
13115	9/22/00	1 umol	580	80	250	4 hr	90%	0	Mean = 85%
13117	9/22/00	1 umol	580	80	250	4 hr	90%	1	
13113	9/22/00	1 umol	580	80	250	4 hr	75%	1	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
2055	7/26/00	2 umol	532	50	250	4 hr	0%	3	Damage to gland?
2054	7/26/00	2 umol	532	50	250	4 hr	10%		Sac'd @ day 1
2107	7/31/00	1 umol	532	50	250	4 hr	10%	3	
2108	7/31/00	1 umol	532	50	250	4 hr	10%	3	
2109	7/31/00	1 umol	532	50	250	4 hr	15%	3	
12644	10/27/00	1 umol	532	80	50	4 hr	15%	2	
12646	10/27/00	1 umol	532	80	50	4 hr	60%	1-2	
12638	10/27/00	1 umol	532	80	50	4 hr	30%	2-3	
2110	8/1/00	1 umol	532	50	250	1 hr	10%	2	
2111	8/1/00	1 umol	532	50	250	1 hr	15%	2	
2112	8/1/00	1umol	532	50	250	1 hr	25%	3	
15220	10/25/00	1 umol	532	80	250	24 hr	10%	2-3	
15217	10/25/00	1 umol	532	80	250	24 hr	20%	3	
14846	10/25/00	1 umol	532	80	250	24 hr	10%	3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1864	7/18/00	1 umol	576	50	250	4 hr	10%	High	
1854	7/18/00	1 umol	576	50	250	4 hr	-		Dead @ day 2
1680	7/20/00	1 umol	576	50	250	4 hr	0%		
2119	8/02/00	1 umol	532	80	250	1 hr	15%	3	
2117	8/02/00	1 umol	532	80	250	1 hr	10%	2	
2114	8/02/00	1 umol	532	80	250	4 hr	50%	2-3	
2113	8/02/00	1 umol	532	80	250	4 hr	75%	3	
2116	8/02/00	1 umol	532	80	250	4 hr	60%	2	

10754	8/23/00	1 umol	532	80	250	4 hr	25%	2-3	
10752	8/23/00	1 umol	532	80	250	4hr	60%	2-3	
10728	8/24/00	1 umol	580	80	250	4 hr	60%	2-3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
13129	9/26/00	1 umol	532	80	250	1 hr	0%	3	
13122	9/22/00	1 umol	532	80	250	1 hr	0%	1	
13107	9/21	1umol	532	80	250	1 hr	25%	2-3	
13116	9/22/00	1 umol	532	80	250	4 hr	25%	2	
13102	9/21/00	1 umol	532	80	250	4 hr	0	1-2	
13108	9/21/00	1 umol	532	80	250	4 hr	10%	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12501	9/14/00	0.5 umol	532	80	250	2 hr	25%	0	
12507	9/15/00	0.5 umol	532	80	250	2 hr	10%	0	
12508	9/15/00	0.5 umol	532	80	250	2 hr	25%	0	
11660	9/14/00	0.5 umol	532	80-86	250-270	4 hr	20%	0	
11657	9/14/00	0.5 umol	532	80	250	4 hr	10%	0	
11658	9/14/00	0.5 umol	532	80-69	250-216	4 hr	10%	0	
12633	9/19/00	0.5 umol	532	80	250	8 hr	35%	0	
12630	9/19/00	0.5 umol	532	80	250	8 hr	15%	0	
12601	9/19/00	0.5 umol	532	80	250	8 hr	0%		
12520	9/19/00	0.5 umol	532	80	250	16.5 hr	10%	0	
12521	9/19/00	0.5 umol	532	80	250	17 hr	20%	0	
12522	9/19/00	0.5 umol	532	80	250	17 hr	20%	0	
12515	9/19/00	0.5 umol	532	80	250	17 hr	25%	0	
12514	9/19/00	0.5 umol	532	80	250	24 hr	20%		
12511	9/19/00	0.5 umol	532	80	250	24.5 hr	20%	0	
13142	9/27/00	1 umol	532	80	250	4 hr	10%	2	
13144	9/27/00	1 umol	532	80	250	4 hr	30%	1	
13147	9/27/00	1 umol	532	80	250	4 hr	40%	1	
12646	9/20/00	0.25 umol	580	80	250	2 hr	10%	0	
12504	9/15/00	0.25 umol	580	80	250	4 hr	30%	0	
12502	9/15/00	0.25 umol	580	80	250	4 hr	10%	0	
12503	9/15/00	0.25 umol	580	80	250	4 hr	0	0	
12505	9/15/00	0.5 umol	580	80	250	4 hr	25%	1	@bifurcatiOn, elsewhere 0%
12509	9/18/00	0.5 umol	580	80	250	4 hr	10%		
12606	9/19/00	0.5 umol	580	80	250	4 hr	30%		
13143	9/27/00	1 umol	580	80	250	4 hr	30%	0	
13146	9/27/00	1 umol	580	80	250	4 hr	50%	0	
14250	10/10/00	1 umol	580	80	250	4 hr	60%	0	
14208	10/2/00	1 umol	580	66	205	4 hr	30%	0	
13148	9/28/00	1 umol	580	110	250	4 hr	40%	1	
13146	9/27/00	1 umol	580	80	250	4 hr	50%	0	
13143	9/27/00	1 umol	580	80	250	4 hr	30%	0	

Rat #	Date	Dose	λ	Energy	Power	Treatment	Max.	Sur. Tissue	Comments
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		(per/kg)		(J)	(mW)	Time-point	Acell.	Damage	
13132	9/26/00	1 umol	532	80	250	4 hr	20%	1	
13133	9/26/00	1 umol	532	80	250	4 hr	15%	2-3	
13134	9/26/00	1 umol	533	80	250	4 hr	25%	3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
13111	9/21/00	1 umol	532	80	250	4 hr	20%	2	Mean = 27%
13119	9/22/00	1 umol	532	80	250	4 hr	40%	1	
13139	9/27/00	1 umol	532	80	250	4 hr	20%	0	
13120	9/22/00	1 umol	580	80	250	4 hr	40%	1	Mean = 37%
13130	9/25/00	1 umol	580	80	250	4hr10min	50%	1	
13141	9/27/00	1 umol	580	80	250	4 hr	20%	0	
14218	10/5/00	2 umol	580	80	250	4 hr	50%	1	Mean = 57%
14227	10/5/00	2 umol	580	80	250	4 hr	60%	0-1	
14226	10/5/00	2 umol	580	80	250	4 hr	60%	1	
3300	06/13/01	4.0umol	532	80	250	4hr	30%c aw	2	
3301	06/13/01	4.0umol	532	80	250	4hr	20%c aw	2	
3302	06/13/01	4.0umol	532	80	250	4hr	40%d aw	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
16401	11/28/00	1 umol	575	80	250	4 hr	20%	0	
16403	11/28/00	1 umol	575	80	250	4 hr			
16405	11/28/00	1 umol	575	80	250	4 hr	50%	0	
3262	06/06/01	4.0umol	532	80	250	4hr	60%b aw	2	580nm laser was being used
3261	06/06/01	4.0umol	532	80	250	4hr	40%b aw	2-3	
3263	06/06/01	4.0umol	532	80	250	3hr45min	20%b aw	2	rcca.
3298	06/14/01	1.0umol	532	80	250	49hr	50%c aw	0-1	
3297	06/14/01	1.0umol	532	80	250	50hr	60%c aw	0	
3299	06/14/01	1.0umol	532	80	250	52hr	70%c aw	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
14231	10/6/00	1 umol	580	85	255	4 hr	20%	0	
14239	10/9/00	1 umol	580	80	250	4 hr	0%	0	
14236	10/9/00	1 umol	580	80-75	250-235	4 hr	10%	0	
3267	06/06/01	4.0umol	532	80	250	4hr	0% aw	1	
3268	06/06/01	4.0umol	532	80	250	4hr	0% aw	3	
3272	06/07/01	4.0umol	532	80	250	4hr	5%c aw	2	prob more distant tx.

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
10705	10/17/00	1 umol	580	80	250	1 hr	15%	0	
10126	10/17/00	1 umol	580	80	250	1 hr	20%	0	
10110	10/17/00	1 umol	580	80	250	1 hr	25%	0	
14826	10/17/00	1 umol	580	80	250	2 hr	10%	0	
12506	10/17/00	1 umol	580	80	250	2 hr	15%	0	
14824	10/17/00	1 umol	580	85	265	2 hr	20%	0	

14216	10/3/00	.8 umol	580	80	250	4 hr	20%	0	
14215	10/3/00	1 umol	580	80	250	4 hr	75%	0	
14211	10/3/00	1 umol	580	80	250	4 hr	50%	0	
14212	10/3/00	1 umol	580	80	250	4 hr	10%	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
14812	10/13/00	1 umol	532	80	250	3.5 hr	80%	1	
14825	10/17/00	1 umol	580	80	250	1 hr	50%	1	
11655	10/17/00	1 umol	580	80	250	1 hr	10%	1-2	
10732	10/17/00	1 umol	580	80	250	1 hr	60%	1-2	Mean=40%
14817	10/16/00	1 umol	580	80	250	2 hr	60%	1-2	
14818	10/16/00	1 umol	580	80	250	2 hr	60%	1-2	
14820	10/16/00	1 umol	580	80	250	2 hr	80%	2	Mean=65%
14811	10/13/00	1 umol	580	80	250	4 hr	95%	1-2	
14813	10/13/00	1 umol	580	80	250	4 hr	75%	1	
14814	10/16/00	1 umol	580	80	250	4 hr	50%	1	Mean=75%
15223	11/10/00	0.5 umol	580	80	250	4 hr	50%	0-1	
15224	11/10/00	0.5 umol	580	80	250	4 hr	30%	0-1	
15225	11/10/00	0.5 umol	580	80	250	4 hr	75%	0-1	Mean=50%

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
15228	11/10/00	0.5 umol	580	80	250	4 hr	10%	1-2	
15229	11/10/00	0.5 umol	580	80	250	4 hr	40%	1-2	
15226	11/10/00	0.5 umol	580	80	250	4 hr	40%	1	
14816	10/16/00	1 umol	580	80-90	250-280	4 hr	80%	2	
14815	10/16/00	1 umol	580	80	250	4 hr	80%	1-2	
14819	10/16/00	1 umol	580	80	250	4 hr	80%	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12568	10/12/00	1 umol	532	80	250	4 hr	0%	0	
14251	10/12/00	1 umol	532	80	250	4 hr	0%	0	
14252	10/12/00	1 umol	532	80	250	4 hr	0%	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
3117	05/14/01	4.0umol	580	80	250	4hr	20%	2	
3118	05/14/01	4.0umol	580	80	250	4hr	30%	2-3	
3119	05/14/01	4.0umol	580	80	250	4hr	5%	1	bad injection?

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
3120	05/14/01	4.0umol	580	80	250	4hr	10% c aw	1-2	rcca
3121	05/14/01	4.0umol	580	80	250	4hr	10% d aw	1	
3122	05/14/01	4.0umol	580	80	250	4hr	40% c aw	1	

000645 Platinum mesoporphyrin di(2-N,N-dimethylaminoethylamide)

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12565	11/15/00	1 umol	580	80	250	4 hr	0%	0	
12567	11/15/00	1 umol	580	80	250	4 hr	0%	0	
9606	11/15/00	1 umol	580	80	250	4 hr	10%	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
16441	03/15/01	1.0umol/kg	580	80	250	4hr	10% d aw	0-1	
16443	03/15/01	1.0umol/kg	580	80	250	4hr	0% aw	0	rcca
16444	03/16/01	1.0umol/kg	580	80	250	4hr			Missing slides

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
3111	05/01/01	4.0umol/kg	580	80	250	4hr	0% aw	0	
3112	05/01/01	4.0umol/kg	580	80	250	4hr	5% aw	0	rcca
3113	05/01/01	4.0umol/kg	580	80	250	4hr	10% aw	0-1	pulled device back so pulse barely visible when deflated (how distal?)

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
15208	11/02/00	1 umol	580	80	250	4 hr	0%	1-2	
15246	11/02/00	1 umol	580	80	250	4 hr	10%	0-1	
15221	11/02/00	1 umol	580	80	250	4 hr	5%	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
16412	11/29/00	0.5umol	580	80	250	4 hr	0%	0-1	
16411	11/29/00	0.5umol	580	80	250	4 hr	15%	0	
16408	11/29/00	0.5umol	580	80	250	4 hr	30%	1	
15233	11/11/00	1 umol	580	80	250	4 hr	80%	2	
15227	11/11/00	1 umol	580	80	250	4 hr	85%	2	
15234	11/11/00	1 umol	580	80	250	4 hr	50%	1-2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
16407	11/29/00	0.5umol	580	80	250	4 hr	10%	0	
16409	11/30/00	0.5umol	580	80	250	4 hr	25%	0-1	
16410	11/30/00	0.5umol	580	80	250	4 hr	20%	0	
15230	11/11/00	1 umol	580	80	250	4 hr	80%	0	
15231	11/11/00	1 umol	580	80	250	4 hr	80%	0	
15232	11/11/00	1 umol	580	80-101	250-315	4 hr	thrombus		

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
15236	11/09/00	2 umol	580	80	250	4 hr	20%	0-1	
15522	11/09/00	2 umol	580	80	250	4 hr	0%	0	
15235	11/09/00	2 umol	580	80	250	4 hr	0%	0	

Rat #	Date	Dose	λ	Energy	Power	Treatment	Max.	Sur. Tissue	Comments
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		(per/kg)		(J)	(mW)	Time-point	Acell.	Damage	
12555	12/06/00	1 umol	580	80	250	4 hr	50%	1	
12655	12/06/00	1 umol	580	80	250	4 hr	45%	1	
17104	12/06/00	1 umol	580	80	250	4 hr	100%	1-2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12566	12/14/00	0.5 umol	580	135	250	4 hr			
14827	12/14/00	1 umol	580	80	250	4 hr	10%	1	
17134	12/15/00	1 umol	580	80	250	4 hr	15%	1	
16423	12/15/00	1 umol	580	80	250	4 hr	recut	1	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
17101	12/05/00	1 umol	580	80	250	4 hr	70%	2-3	HN originally scored 80%/1
17102	12/05/00	1 umol	580	80	250	4 hr	70%	2	HN originally scored 70%/1
17103	12/05/00	1 umol	580	80	250	4 hr	10%	3	
17105	1/9/01	0.5 umol	580	80	250	4 hr			Needs recut.
17106	1/9/01	0.5 umol	580	80	250	4 hr	15%	2	
14836	1/9/01	0.5 umol	580	80	250	4 hr	70%	1	
9602	2/27/01	0.5 umol	580	80	250	4 hr15min	0%	2	h@d6
9620	2/27/01	0.5 umol	580	80	250	4 hr	20%	2	h@d6
9625	2/27/01	0.5 umol	580	80	250	4 hr	10%	2-3	h@d6

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
13137	12/14/00	1 umol	580	80	250	4 hr	70%	0	
12562	12/14/00	1 umol	580	80	250	4 hr	30%	0	
17133	12/15/00	1 umol	580	80	250	4 hr	60%	0	
18610	8-Mar	2 umol	580	80	250	4 hr	40%	2-3	
18611	8-Mar	2 umol	580	80	250	4 hr30min	10%	2-3	
18613	8-Mar	2 umol	580	80	250	4 hr	50%	3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12624	2/5/01	1 umol	580	80	250	4 hr	60%	1	
12636	2/6/01	1 umol	580	80	250	4 hr	90%	1	Fairly distal tx, I think.
12650	2/7/01	1 umol	580	80	250	4 hr	95%	0-1	Bright thru neck
18604	7-Mar	0.5umol/kg	580	80	250	4 hr	60%	1	
18605	7-Mar	0.5umol/kg	580	80	250	4 hr	50%	0-1	
18606	7-Mar	0.5umol/kg	580	80	250	4 hr	75%	1-2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12524	1/23/01	1 umol	580	80	250	4 hr	20%	0	
12525	1/23/01	1 umol	580	80	250	4 hr	15%	0	
12526	1/23/01	1 umol	580	80	250	4 hr			recut
16417	2/8/01	2 umol	580	80	250	4 hr	5%	1	
16416	2/8/01	2 umol	580	80	250	4 hr	50%	1	
16413	2/8/01	2 umol	580	80	250	4 hr	25%	1	
12564	2/8/01	2 umol	580	80	250	1 hr	0%	1	
14807	2/8/01	2 umol	580	80	250	1 hr	0%	2	
16418	2/12/01	2 umol	580	80	250	4hr 30min	0%	2	Should have tx @ 1hr
9629	2/27/01	4 umol	580	80	250	4 hr	5%	2-3	

9632	2/27/01	4 umol	580	80	250	4 hr	0%	2	
12532	2/27/01	4 umol	580	80	250	4 hr	5%	3	
17121	03/22/01	2.0umol/kg	580	80	250	16hr	50%d aw	1	
17122	03/22/01	2.0umol/kg	580	80	250	16hr	80%d aw	0-1	rcca
17138	03/22/01	2.0umol/kg	580	80	250	16hr	80%b aw	1	rcca

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12531	1/24/01	1 umol	580	80	250	4 hr	60%	2	
12535	1/25/01	1 umol	580	80	250	4 hr	90%	1	
12537	1/25/01	1 umol	580	80	250	4 hr	60%	1	
12626	2/6/01	1 umol	580	80	250	4 hr	80%	0-1	
12647	2/6/01	1 umol	580	80	250	4 hr	45%	0-1	
12627	2/6/01	1 umol	580	80	250	4 hr	90%	1	
12629	2/6/01	1 umol	580	80	250	4 hr			
12634	2/6/01	1 umol	580	80	250	4 hr	70%	1	Rcca
3258	04/10/01	1.0umol	580	80	250	24hr	95% aw	1	
3259	04/10/01	1.0umol	580	80	250	24hr	95% aw	1	
3260	04/10/01	1.0umol	580	80	250	24hr	95% aw	1	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12530	1/24/01	1 umol	580	80	250	4 hr	80%	2	
12534	1/24/01	1 umol	580	80	250	4 hr	40%	1	
17132	1/24/01	1 umol	580	80	250	4 hr	100%	1-2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12544	1/26/01	1 umol	580	80	250	3hr15min	10	1	
12642	1/26/01	1 umol	580	80	250	4 hr15min	0%	1	
12545	1/29/01	1 umol	580	80	250	4 hr15min			
12620	2/5/01	2 umol	580	80-75	250-235	4 hr15min	40%	2	Lots of aim beam to heart & arm
12622	2/5/01	2 umol	580	80-75	250-235	4 hr15min	5%	2	
12625	2/6/01	2 umol	580	80-75	250-235	4 hr30min	10%	1	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
15201	1/31/01	2 umol	580	80	250	4hr	90%	1	Hot spot on diffuser: discount
12615	1/31/01	2 umol	580	80	250	4hr	100%	1	Hot spot on diffuser: discount
12616	1/31/01	2 umol	580	80	250	4hr	95	1	Hot spot on diffuser: discount
18623	2/12/01	2 umol	580	80	250	4hr	95	2	
18628	2/12/01	2 umol	580	80	250	4hr	100%	1	
18629	2/13/01	2 umol	580	80	250	4hr	95%	2	
18653	3/7/01	1 umol	580	80	250	4hr	50%	1-2	
18602	3/7/01	1 umol	580	80	250	4hr	90%	1	
18603	3/7/01	1 umol	580	80	250	4hr	80%	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12617	2/1/01	1 umol	580	80	250	4hr	50%	1	
12612	2/1/01	1 umol	580	80	250	4hr	80%	1	
12618	2/1/01	1 umol	580	80	250	4hr	90%	1	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
18626	2/21/01	1 umol	580	80	250	4hr	5%	2-3	
18627	2/21/01	1 umol	580	80	250	4hr	5%	2-3	
18631	2/21/01	1 umol	580	80	250	4hr	10%	3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
16438	03/15/01	1.0umol/kg	580	80	250	4hr	10%c aw	2-3	
16437	03/15/01	1.0umol/kg	580	80	250	4hr	10%d aw	2	
16436	03/15/01	1.0umol/kg	580	80	250	4hr	30%d aw	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
18656	03/20/01	1.0umol/kg	580	80	250	4hr	50%d aw	1	rcca
16452	03/20/01	1.0umol/kg	580	80	250	4hr	30%b aw	1	
16451	03/20/01	1.0umol/kg	580	80	250	4hr	15%b aw	1	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
16446	03/20/01	1.0umol/kg	580	80	250	4hr	10%c aw	1d	rcca
16447	03/20/01	1.0umol/kg	580	80	250	4hr	10%b aw	0-1	rcca
16445	03/20/01	1.0umol/kg	580	80	250	4hr	20%d aw	0-1	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
17139	03/20/01	1.0umol/kg	580	80	250	4hr	10%d aw	0	rcca
16450	03/20/01	1.0umol/kg	580	80	250	4hr	15%d aw	0	rcca
16449	03/20/01	1.0umol/kg	580	80	250	4hr	25%d aw	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
17109	03/21/01	1.0umol/kg	580	80	250	4hr	0% aw	0	hard to get up
17108	03/21/01	1.0umol/kg	580	80	250	4hr	5%c aw	0	rcca
17150	03/21/01	1.0umol/kg	580	80	250	4hr	0% aw	0	rcca

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
17149	03/21/01	1.0umol/kg	580	80	250	4hr	25%d aw	0-1	rcca
17148	03/21/01	1.0umol/kg	580	80	250	4hr	30%c aw	1	rcca
17147	03/21/01	1.0umol/kg	580	80	250	4hr	30%d aw	1	rcca

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
17116	03/21/01	1.0umol/kg	580	80	250	4hr	10%d aw	0	rcca

17115	03/21/01	1.0umol/kg	580	80	250	4hr	20%c,d aw	1	rcca
17114	03/21/01	1.0umol/kg	580	80	250	4hr	10%b aw	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
17112	03/22/01	2.0umol/kg	580	80	250	16hr	10%b aw	0	rcca
17110	03/22/01	2.0umol/kg	580	80	250	16hr	50%d aw	0	rcca
17117	03/22/01	2.0umol/kg	580	80	250	16hr	50%d aw	0	rcca; originally labeled 17143 (G3d28)

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
17118	03/22/01	2.0umol/kg	580	80	250	16hr	0% aw	0	rcca
17119	03/22/01	2.0umol/kg	580	80	250	16hr	0% aw	0	
17120	03/22/01	2.0umol/kg	580	80	250	16hr	0% aw	0	rcca

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
17131	03/22/01	1.0umol/kg	580	80	250	4hr	80%b aw	0-1	several attempts into lcca
17129	03/22/01	1.0umol/kg	580	80	250	4hr	80%d aw	1	rcca
17128	03/22/01	1.0umol/kg	580	80	250	4hr	70%c aw	1	
17130	03/22/01	2.0umol/kg	580	80	250	4hr	100%b aw	1-2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
17127	03/22/01	1.0umol/kg	580	80	250	4hr	0% aw	0	
3146	03/22/01	1.0umol/kg	580	80	250	4hr	70%c aw	1	
3087	03/22/01	1.0umol/kg	580	80	250	4hr	60%bcd aw	1	rcca

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
16446	03/20/01	1.0umol/kg	580	80	250	4hr	10%c aw	1d	rcca
16447	03/20/01	1.0umol/kg	580	80	250	4hr	10%b aw	0-1	rcca
16445	03/20/01	1.0umol/kg	580	80	250	4hr	20%d aw	0-1	

900 series

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
10112	8/11/00	5 umol	532	80	250	4 hr	20%	1-2	
10118	8/14/00	5 umol	532	80	250	4 hr	30%	2	
10117	8/11/00	5 umol	532	80	250	4 hr	35%	3	
2047	8/14/00	5 umol	532	80	250	8hr	15%	3	
10104	8/11/00	5 umol	532	80	250	8 hr 20min	40%	3	
1667	8/14/00	5 umol	532	80	250	8 hr 30min	55%	3	

14202	9/29/00	5 umol	532	80	250	17 hr	25%	3	
14201	9/29/00	5 umol	532	80	250	17 hr	50% ^c	3	75% at bifurc
14203	9/29/00	5 umol	532	80	250	17hr 30min	20%	3	
11653	9/14/00	5 umol	532	80	250	24 hr	10%	2	
14232	10/11/00	5 umol	532	80	250	24 hr	80%	2	
10711	10/11/00	5 umol	532	80	250	24 hr	20%	3	
1846	7/7/00	5 mg	580	50	120	8 hr	35%		
1999	7/11/00	5 mg	580	50	120	8 hr	60%		
1984	7/7/00	5 mg	580	50	120	24 hr	5%		
1994	7/11/00	5 mg	580	50	120	24 hr	0%		
1998	7/10/00	5 mg	580	50	250	4 hr	5%		Sac'd @ day 1
1990	7/10/00	5 mg	580	50	250	4 hr	0%		Dead @ day 1
10734	8/28/00	5 umol	580	80	250	4 hr	5%	2,hemmhorage	
10731	8/28/00	5 umol	580	80	250	4 hr	0%	3, lots of hemm	
10735	8/28/00	5 umol	580	80	250	4 hr	10%	2,hemmhorage	
10758	8/30/00	5 umol	580	80	250	8 hr	0%	3	
10736	8/29/00	5 umol	580	80	250	8hr20min	15%	2	
10727	8/29/00	5 umol	580	80	250	8hr20 min	15%	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
50	5/26/00	2.5 mg	532	137	120	4 hrs	50%		
1678	6/6/00	2.5 mg	580	34	120	1 hr	10%		
1674	6/6/00	2.5 mg	580	34	120	2 hr	30%		Dead @ day 1
1673	6/6/00	2.5 mg	580	34	120	2 hrs	20%		Dead @ day 1
1410	6/1/00	5 mg	458	69	120	4 hrs	0%		
1160	6/1/00	5 mg	532	69	120	1 hr	30%		
47	5/25/00	5 mg	532	69	120	2 hrs	35%		
1154	6/1/00	5 mg	532	69	120	2 hrs	-		Dead @ day 1
1138	6/2/00	5 mg	580	34	120	1 hrs	10%		
1144	6/2/00	5 mg	580	69	120	2.25 hrs	20%		
11	6/2/00	5 mg	580	69	120	7.5 hrs	80%		Sac @ day 1
1400	6/5/00	5 mg	580	69	120	6.5 hrs	30%		
1668	6/5/00	5 mg	580	34	120	6 hrs	40%		
10704	8/17/00	5 umol	580	80	250	4 hr	40%	2-3	
10703	8/17/00	5 umol	580	80	250	4 hr	20%	2	sac. @ day 1
10713	8/18/00	5 umol	580	80	250	4 hr	15%		
10712	8/18/00	5 umol	580	80	250	4 hr	10%	1-2	
2053	8/17/00	5 umol	580	80	250	8 hr	75%		
2057	8/17/00	5 umol	580	80	250	8 hr	45%		
10708	8/18/00	5 umol	580	80	250	8 hr	10%	2-3	
10702	8/17/00	5 umol	532	80	250	4 hr	30%	2	
2038	8/17/00	5 umol	532	80	250	4 hr	30%	3	
10706	8/17/00	5 umol	532	80	250	4 hr	20%	3	needs recut
10707	8/18/00	5 umol	532	80	250	8 hr	35%	2	

42	5/24/00	10 mg	532	137	250	4 hrs	20%		
1486	5/23/00	10 mg	532	137	120	4 hrs	25%		Dead @ day 1, possible PDT effect

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
62	4/27/00	5 mg	532	140	240	4.25 hrs	0%		
5	4/27/00	5 mg	532	69	239	4 hrs	0%		
8	4/27/00	5 mg	532	35	242	4 hrs	0%		
2	4/26/00	1 mg	532	138	255	4.5 hrs	0%		
3	4/26/00	1 mg	532	69	255	4.5 hrs	0%		
4	4/26/00	1 mg	532	34	255	4.25 hrs	0%		

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1383	4/17/00	20 mg	532	68-71	120-125	2.5 hrs	5%	0	No obvious PDT effect
1385	4/17/00	20 mg	532	71-73	125-128	3.5 hrs	0%	0	No obvious PDT effect

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
11620	9/1/00	1 umol	532	80	250	1 hr	0%	1	
11632	9/5/00	1 umol	532	80	250	1 hr			
11622	9/1/00	1 umol	532	80	250	1hr10min	10%	1	
9623	9/5/00	1 umol	532	80	250	4 hr	20%	0	
11633	9/5/00	1 umol	532	80	250	4 hr	20%	0	
9624	9/5/00	1 umol	532	80	250	4 hr	25%	0	
10716	10/10/00	2 umol	580	80	250	4 hr	0%	0	
1549	10/10/00	2 umol	580	80	250	4 hr	50%	0	
10121	10/10/00	2 umol	580	80	250	4 hr	40%	0	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
29	5/8/00	15 mg	532	131	230	4.25 hrs	5%		
1266	5/8/00	9 mg	532	137	240	4 hrs	0%		
30	5/8/00	7.5 mg	532	137	240	4 hrs	0%		

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1709	6/16/00	0.5 umol	532	30	250	2 hr	5%		
1708	6/16/00	0.5 umol	458	30	250	4 hr	0%		Wrong wavelength?

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
46	5/30/00	10 mg	532	137	120	4 hrs	25%		
55	5/31/00	10 mg	532	137	120	4.5 hrs	0%		

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
11604	8/31/00	2 umol	532	80-84	250-263	1 hr	0%	0	

11613	8/31/00	2 umol	532	80	250	1 hr	20%	0	
11605	9/1/00	2 umol	533	80-85	250-264	1 hr	0%	0	
10759	8/30/00	2 umol	532	80	250	4 hr	0%	0	
11602	8/30/00	2 umol	532	80-67	250-211	4 hr	0%	0	
10760	8/30/00	2 umol	580	80	250	4 hr	0%	0	

1000 series

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
14225	10/5/00	1 umol	458	80	250	4 hr	15%	3	
14223	10/5/00	1 umol	458	83	260	4 hr	10%	3	
14222	10/6/00	1 umol	458	80	250	4 hr	0%	3	
14240	10/9/00	2 umol	458	80	250	4 hr	10%	2	
14233	10/9/00	2 umol	458	80	250	4 hr	0%	3	
14235	10/9/00	2 umol	458	80	250	4 hr	0%	2-3	
15218	10/25/00	2 umol	458	80	250	24 hr	0%	2	
15250	10/25/00	2 umol	458	80	250	24 hr	15%	2-3	
15249	10/25/00	2 umol	458	80	250	24 hr	15%	2-3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
14828	10/19/00	1 umol	458	80	250	4 hr	0%	3	

2000 series

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12559	11/14/00	0.5 umol	580	80	250	4 hr	45%	2	
12554	11/14/00	0.5 umol	580	80	250	4 hr	20%	2	
9610	11/14/00	0.5 umol	580	80	250	4 hr	5%	0	
15237	11/09/00	1 umol	580	80	250	4 hr	75%	2-3	
15238	11/09/00	1 umol	580	80	250	4 hr	60%	2-3	
15239	11/09/00	1 umol	580	80	250	4 hr	10%	1	
12561	11/10/00	2 umol	580	80	250	4 hr	Sac		
12562	11/10/00	2 umol	580	80	250	4 hr	Sac		

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
14224	11/21/00	0.25umol	580	80	250	4 hr	50%	2-3	
14237	11/21/00	0.25umol	580	80	250	4 hr	50%	2-3	

16414	12/07/00	1.0 umol	532	80	250	4 hr	30%	2	
16415	12/07/00	1.0 umol	532	80	250	4 hr	25%	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
14209	11/21/00	0.5umol	580	80	250	4 hr	50%	2-3	
14207	11/21/00	0.5umol	580	80	250	4 hr	50%	2-3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
17137	1/8/01	0.5 umol	575	80	250	4 hr	0%	0	
16422	1/8/01	0.5 umol	575	80	250	4 hr	10%	0	
17135	1/8/01	0.5 umol	575	80	250	4 hr	0%	0	
12508	1/9/01	1 umol	575	80	250	4 hr	20%	1	
13140	1/9/01	1 umol	575	80	250	4 hr	25%	2	
13118	1/9/01	1 umol	575	80	250	4 hr	40%	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
14829	1/16/01	0.5 umol	580	80	250	4 hr	100%	3	
15219	1/16/01	0.5 umol	580	80	250	4 hr	40%	2	
12523	1/16/01	0.5 umol	580	80	250	4 hr	50%	2	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12539	1/25/01	1 umol	580	80	250	4 hr	50%	2	
12614	1/25/01	1 umol	580	80	250	4 hr	80%	2	
12541	1/25/01	1 umol	580	80	250	4 hr	10%	3	

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
12553	1/30/01	2 umol	580	80-74	250-230	4 hr	10%	0	Laser flux: discount
15202	1/30/01	2 umol	580	80-75	250-231	4 hr	40%	1	Laser flux: discount
15203	1/30/01	2 umol	580	64-48	200-150	4 hr	20%	1	Laser flux: discount
12607	1/31/01	2 umol	580	80	250	4 hr	10%	1	Hot spot on diffuser: discount
12654	1/31/01	2 umol	580	80	250	4 hr	10%	0-1	Hot spot on diffuser: discount
12613	1/31/01	2 umol	580	80	250	4 hr	40%	1	Hot spot on diffuser: discount
12651	2/12/01	2 umol	580	80	250	4 hr	20%	0-1	
12653	2/12/01	2 umol	580	80	250	4 hr	40%	1	
12645	2/12/01	2 umol	580	80	250	4 hr	100%	1	
9626	2/28/01	4 umol	580	80	250	4hr15min	20%	2-3	Slight pulse thru neck.
12536	2/28/01	4 umol	580	80	250	4 hr	30%	3	
12533	2/28/01	4 umol	580	83	260	4 hr	40%	3	Light bright thru neck.
18614	03/13/01	2 umol	580	80	250	4hr	~50% c aw	3	oblong cut; recut c & d?
16424	03/13/01	2 umol	580	80	250	4hr	50% c aw	3	
16425	03/13/01	2 umol	580	80	250	4hr	50% d aw	3	
17126	03/23/01	2 umol	580	80	250	24hr	100% b aw	1	
17123	03/23/01	2 umol	580	80	250	24hr	100% b aw	0	rcca
17136	03/23/01	2 umol	580	80	250	24hr	75% b aw	0	rcca
16431	03/13/01	4 umol	580	80	250	10min	5% d aw	3	
16442	03/13/01	4 umol	580	80	250	10min	10% c aw	3	
16435	03/13/01	4 umol	580	80	250	15min	10% c aw	2-3	
16436	03/13/01	4 umol	580	80	250	1hr	20% d aw	3	
16432	03/13/01	4 umol	580	80	250	1hr	20% d aw	3	

16434	03/13/01	4 umol	580	80	250	1hr	10%d aw	3	
16426	03/13/01	4 umol	580	80	250	4hr	70%d aw	3	
16427	03/13/01	4 umol	580	80	250	4hr	30%d aw	3	
16429	03/13/01	4 umol	580	80	250	4hr			Missing slides
16440	03/14/01	4 umol	580	80	250	16hr	100%b aw	2	rcca
12628	03/14/01	4 umol	580	80	250	16hr	100%b aw	2-3	
16439	03/14/01	4 umol	580	80	250	16hr	75%bcd aw	2-3	
3244	04/05/01	1.0umol	580	80	250	24hr	80%e aw	0-1	rcca
3246	04/05/01	1.0umol	580	80	250	24hr	95%c aw	1	
3248	04/05/01	1.0umol	580	80	250	24hr	80%b aw	1	
17126	03/23/01	2.0umol	580	80	250	24hr	100%b aw	1	
17123	03/23/01	2.0umol	580	80	250	24hr	100%b aw	0	rcca
17136	03/23/01	2.0umol	580	80	250	24hr	75%b aw	0	rcca
3243	04/06/01	2.0umol	580	80	250	48hr	80%c aw	1	
3245	04/06/01	2.0umol	580	80	250	48hr	90%c aw	1	
3247	04/06/01	2.0umol	580	80	250	48hr	80%c aw	1	

[REDACTED]

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
18607	8-Mar	1.0umol/kg	580	80	250	4 hr	0%	0	
18608	8-Mar	1.0umol/kg	580	80	250	4 hr	0%	0	
18609	8-Mar	1.0umol/kg	580	80	250	4 hr	0%	0	

[REDACTED]

[REDACTED]

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1474	5/19/00	2 umol	458	135	247	4 hrs	50%		Sac'd@d1
1480	5/22/00	1 umol	458	137	250	4 hrs	15%		
40	5/23/00	1 umol	458	137	250	4 hrs	20%		
1454	5/12/00	1 umol	458	69	212	3.25 hrs	2%		
1455	5/12/00	1 umol	458	69	58	3 hrs	10%		
1460	5/15/00	2 umol	458	34	52	3 hrs	5%		
1459	5/15/00	1 umol	458	35	219	3 hrs	0%		
1472	5/19/00	2 umol	458	143	250	2 hrs	100%		Dead @ day 1
1458	5/23/00	1 umol	458	138	240	1 hrs	15%		
1669	6/5/00	2 umol	458	137	120	2 hrs	65%		Dead @ day 1
1670	6/5/00	2 umol	458	137	120	1 hrs	25%		

[REDACTED]

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1386	4/18/00	20 mg	532	35	123	4 hrs			Dead @ day 1
1387	4/18/00	22 mg	532	35	123	4 hrs	33%		
1409	4/25/00	5 mg	532	34	119	4 hrs	5%		
1388	4/18/00	21 mg	532	36	125	2.25 hrs	5%		
1	4/25/00	5 mg	532	34	119	2.25 hrs	5%		

[REDACTED]

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1396	4/21/00	10 mg	458	61	116	24 hrs	0%		
1395	4/21/00	10 mg	458	72	210	24 hrs	0%		

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
1463	5/16/00	4.5 mg	458	300	250	4 hrs	25%	0	
1467	5/17/00	4.5 mg	458	300	250	4 hrs	30%	0	Dead @ day 1
18	5/3/00	3 mg	458	137	220	4 hrs	0%		
19	5/3/00	3 mg	458	137	220	4 hrs	29%		
3108	4/20/01	6.0 umol	458	286	159	4hr	-60%	2	7mg/kg, 6.25ml inj.

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
3108	04/20/01	6.0umol	458	286	159	4hr	-60% c aw	2	7mg/kg, 6.25ml inj. For patent w/ Lutex:blue light.

Rat #	Date	Dose (per/kg)	λ	E (J)	P (mW)	Tx Timept	Max. Acell.	STD	Comments
783	2/7/00	10	532	456	401	2hr	40%		new melles griot 1140sec tx time; Clucking@d4
784	2/7/00	10	532	456	401	2hr	100%		perfect surgery
785	2/7/00	10	532	456	401	2hr	100%		advanced INTO heart several times
986	3/7/00	20	532	59	293	2hr15m	0%		great Rx and good tx: tx time=200sec
1039	3/6/00	20	532	59	295	2hr	30%		good surgery and tx; tx time=200sec
1044	11/12/02	20	532	59	295	2hr	10%		good injection and tx; E=59-56; P=293-282.
1045	11/13/02	20	532	118	293	2hr10m	10%		good injection and tx; E=120-114; P=300-285.
1048	11/16/02	20	532	119	298	2hr	5%		good tx but tight; P=294-300 E=118-120
1049	11/17/02	20	532	118	293	2hr	0%		good tx; P=294 E=118
1445	12/18/03	10 (EYP)	532	137	250	4hr	10%		great tx
1453	12/26/03	10 (EYP)	532	68	250	4hr	5% ed		great tx
1451	5/14/00	10 (EYP)	532	34	250	4hr	0% ed		good tx
1452	5/26/00	20 (EYP)	532	137	250	4hr	25% ed		great insertion.
43	5/26/00	20 (EYP)	532	137	250	4hr	10% ed		Difficult advancing. Some blood loss.
3110	5/8/01	40 (PBS)	532	300	250	24hr	5%aw		20min tx.
3109	5/8/01	40 (PBS)	532	200	250	26hr	0% aw		13m20sec tx.
3114	5/8/01	40 (PBS)	532	100	250	26hr	10% aw		6m40sec tx.

Rat #	Date	Dose (per/kg)	λ	Energy (J)	Power (mW)	Treatment Time-point	Max. Acell.	Sur. Tissue Damage	Comments
14840	10/23/00	5 umol	532	80	250	1 hr	0%	0	
14838	10/23/00	5 umol	532	80	250	1 hr	0%	0	
14831	10/19/00	5 umol	532	80	250	4 hr	0%	0	
14832	10/19/00	5 umol	532	80	250	4 hr	0%	0	
14830	10/19/00	5 umol	532	80	250	4 hr	0%	0	